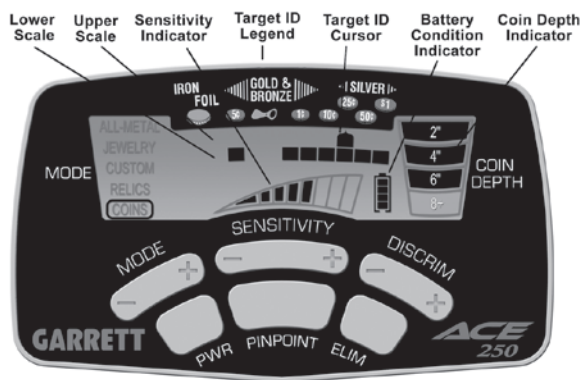## ACE 250 Key Features

1. POWER Pushbutton (press and hold to reset to factory recommended settings)—Press and release to switch the unit ON and resume hunting with the same settings and modifications used prior to turning the unit OFF. When the POWER pushbutton is pressed and held for 5 to 10 seconds (until the detector beeps), the ACE 250 will return to the factory recommended settings of each MODE.

2. Upper Scale—The Upper Scale, where the Target ID cursor is illuminated when hunting, consists of twelve (12) graphical segments for more precise Target ID and discrimination.

3. Coin Depth—Coin Depth is expanded to four (4) depth indicators including 2", 4", 6" and 8+ inches.
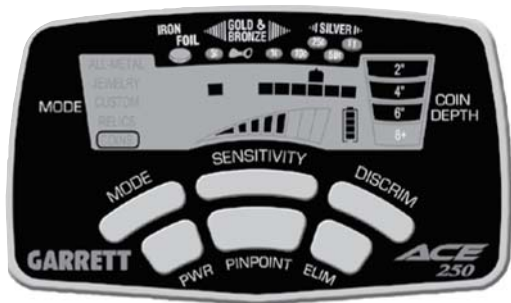
4. Sensitivity—The ACE 250 has eight (8) Sensitivity settings for more precise depth and target detection.

5. Battery Condition Indicator—An LCD display is continuously illuminated to indicate the battery level.

ACE 250 Controls

The ACE 250 includes these additional control functions not found on the ACE 150:
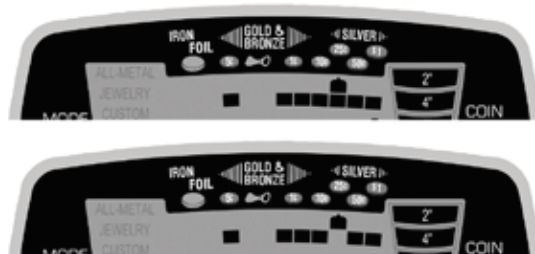

1. DISCRIM Pushbutton—Use the (+) or (-) DISCRIM pushbuttons to move the Target ID cursor to the left or right. Next, use the ELIM Pushbutton to modify the discrimination pattern on the Lower Scale.

2. ELIM Pushbutton—Press the ELIM (Eliminate) pushbutton to eliminate or activate the

LCD cursor located on the Lower Scale, directly below theTarget ID cursor.

The ELIM function can be used to modify each Mode's discrimination pattern. For example, when an unwanted target is located while hunting, press the ELIM button to eliminate that Notch (delete the cursor) to eliminate that specific target. See illustration below.

All Notch Discrimination modifications made while in the CUSTOM mode will be retained when the detector is turned OFF. However, all changes made to the Notch Discrimination scale while in the ALL-METAL, JEWELRY, RELICS

and COINS modes will return to the factory settings when the detector is turned OFF.

3. PINPOINT Pushbutton—Press and hold the Pinpoint pushbutton to determine the exact location of a target that is still hidden in the ground, wall or other structure.

When pinpointing, the Upper Scale on the LCD Screen indicates signal strength. When the greatest number of LCD segments (increasing left to right on the scale) is shown, the center of the searchcoil is directly over the target with the depth of a coin-sized target shown on the depth scale.

To use the pinpoint function, move the searchcoil to the side of the target's loudest audible tone. Press the Pinpoint button and hold it down while sweeping the searchcoil at a constant height over the target area. Sweep the searchcoil side to side and front to back at the lowest constant height to locate the area causing the loudest signal. Watch the bar graphs on the LCD Screen to also see the

peak signal area. With practice at pinpointing, you will be able to pinpoint objects very quickly.

4. Five MODE options—Like the ACE 150, the ACE 250 has All-Metal, Jewelry and Coins modes. The ACE 250, however, has two additional modes: Custom and Relics.

• **CUSTOM Mode**—This Mode can be programmed by the operator. The ACE 250 is factory preset with the CUSTOM Mode set the same as the COINS Mode. By using the DISCRIM and ELIM pushbuttons, an operator can modify the Notch Discrimination settings to individual specifications, which will be retained in the CUSTOM Mode when the ACE is turned OFF.

The CUSTOM Mode can be used to find specific metal items. For example, if an earring has been lost, scan the matching earring with the ACE 250 while in the CUSTOM mode. Note where the Target ID cursor appears when

Use the ELIM pushbutton to delete LCD cursors on the Lower Scale.

the earring is scanned. Next, use the DISCRIM pushbutton to move the Target ID cursor to the left and right. Push the ELIM button to delete the LCD cursors on the notch Discrimination Scale (see illustrations above), leaving only the one where the Target ID cursor illuminated when the earring was scanned. Depending upon how the earring is laying in the ground, your ability to find it will be enhanced by turning on an additional cursor on either side of the target cursor. The ACE 250 is now programmed to find only the missing earring based on the conductivity of its matching pair.

ELIM can also be used to modify the Notch Discrimination Scale to reject a specific type of trash while detecting all other metal. When a trash metal is audibly detected while hunting, simply push the ELIM button to create a notch where the Target ID cursor signaled the presence of the trash. The next time the ACE 250 encounters the same trash item, it will not produce an audible signal.

• **RELICS Mode**—Designed to eliminate trash targets normally associated with relic hunting, while detecting good targets in the lower conductivity range, such as lead and brass.